

**CUSTOMER NO.: 24498**  
**Ser. No. 10/518,580**  
**Office Action dated: 01/24/06**  
**Response dated: 07/19/06**

**PATENT**  
**PU020294**

**Amendments to the Specification:**

Please replace the following paragraphs with the following replacement paragraphs:

Please replace the paragraph starting on page 1, line 21 and ending on page 1, line 32 of the specification with the following replacement paragraph.

A broadcast router allows each one of a plurality of outputs therefrom to be assigned the signal from any one of a plurality of inputs thereto. For example, an N.times.M broadcast router has N inputs and M outputs coupled together by a router matrix which allows any one of the N inputs to be applied to each one of the M outputs. Many such broadcast routers are comprised of a single chassis which houses plural printed circuit boards, commonly referred to as "cards", interconnected in a wide variety of configurations. Oftentimes, larger broadcast routers are constructed by interconnecting plural smaller broadcast routers. For example, in U.S. patent application Ser. No. 10/518,212 (Atty. Docket No. IU020160) and previously incorporated by reference herein, a fully redundant, linearly expandable 1,280 X 1,280 broadcast router formed by interconnecting five 256 X 256 broadcast routers was disclosed. In order for the multi-chassis broadcast router disclosed in that application to function, however, the same clock must be available in each chassis.

Please replace the paragraph starting on page 8, line 1 and ending on page 8, line 19 of the specification with the following replacement paragraph.

As the input selection circuitry residing on each one of the input cards 136-1 through 136-N selects an input digital audio stream to be transmitted to each one of the primary and redundant router matrix cards 102a and 102b, each one of the primary and redundant router matrix cards 102a and 102b receive, from the input cards 136-1 through 136-N, input digital audio signals 1 through N, respectively. Residing on the primary router matrix card 102a are a routing engine ("RE") 140, a transmission expansion port ("EXP") 146, first, second and third receiving expansion ports (not shown), a first master clock ("CLK-A") 134 and a first state machine ("SM") 148. The input digital audio

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streams 1 through N propagating from the input cards 136-1 through 136-N are transmitted to the routing engine 140 and the transmission expansion port 146. Operation of the routing engine 140 and the transmission expansion port 146 are described in greater detail in co-pending U.S. patent application Ser. No. ~~40/~~ 10/518,212 (Atty. Docket No IU020160) and previously incorporated by reference. Briefly, however, the N input digital audio data streams received by the transmission expansion port 146 are forwarded to the primary router matrix card 104a of the second router matrix component 104, the primary router matrix card 106a of the third router matrix component 106 and the primary router matrix card 108a of the fourth router matrix component 108. The router matrix cards 104a, 106a and 108a are similarly provided with a transmission expansion port which transmit input digital audio data streams N+1 through 2N, 2N+1 through 3N and 3N+1 through 4N respectively received thereby to the routing engine 140.

Please replace the paragraph starting on page 12, line 6 and ending on page 12, line 25 of the specification with the following replacement paragraph.

As the input selection circuitry residing on each one of the input cards 142-1 through 142-N selects an input digital audio data stream to be transmitted to each one of the primary and redundant router matrix cards 104a and 104b, each one of the primary and redundant router matrix cards 104a and 104b receive, from the input cards 142-1 through 142-N, input digital audio signals N+1 through 2N, respectively. Residing on the redundant router matrix card 104b are the routing engine 150, the transmission expansion port 152, first, second and third receiving expansion ports (not shown), a second master clock ("CLK-B") 154 and a state machine 156. The input digital audio streams N+1 through 2N propagating from the input cards 142-1 through 142-N, respectively, are transmitted to the routing engine 150 and the transmission expansion port 152. As previously noted, operation of the routing engine 150 and the transmission expansion port 152 are described in greater detail in co-pending U.S. patent application Ser. No. ~~40/~~ 10/518,212 (Atty. Docket No IU020160) and previously incorporated by reference. Briefly, however, the input digital audio data streams N+1 through

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2N received by the transmission expansion port 152 are forwarded to the redundant router matrix card 102b of the first router matrix component 102, the redundant router matrix card 106b of the third router matrix component 106 and the redundant router matrix card 108b of the fourth router matrix component 108. The router matrix cards 102b, 106b and 108b are similarly provided with a transmission expansion port which transmit input digital audio data streams 1 through N, 2N+1 through 3N and 3N+1 through 4N respectively received thereby to the routing engine 150.

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